

Comparisons of Job Characteristics

Focus Occupation: [Computer Specialists, All Other \(15-1099\)](#)

Associated Occupation: [Computer Support Specialists \(15-1041\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

| | |
|----|--|
| << | Focus occupation element is much lower |
| < | Focus occupation element is lower |
| 0 | Focus occupation element is at a similar level |
| > | Focus occupation element is at a higher level |
| >> | Focus occupation element is at a much higher level |

Knowledge

Similarity of Focus Occupation to Associated Occupation: 89

Focus Occupation: Computer Specialists, All Other (15-1099)

Associated Occupation: Computer Support Specialists (15-1041)

| Associated Occupation's Key Knowledge Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation | |
|--|---------------------------------|--------------------------------|---------------------------|--------------------------------|---|
| Computers and Electronics | 8.4 | 22.0 | 19.7 | < | Expanded education and/or training may be required |
| Customer and Personal Service | 11.3 | 18.9 | 11.3 | << | Extensive education and/or training may be required |
| Clerical | 7.3 | 11.8 | 8.1 | << | Extensive education and/or training may be required |
| Telecommunications | 3.9 | 11.2 | 9.0 | < | Expanded education and/or training may be required |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 70

Focus Occupation: Computer Specialists, All Other (15-1099)

Associated Occupation: Computer Support Specialists (15-1041)

| Associated Occupation's Key Skills Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation | |
|---|---------------------------------|--------------------------------|---------------------------|--------------------------------|--------------------------------------|
| Instructing | 7.8 | 10.3 | 8.9 | < | A higher skill level may be required |
| Troubleshooting | 4.5 | 7.7 | 6.1 | < | A higher skill level may be required |
| Installation | 1.7 | 3.9 | 3.0 | < | A higher skill level may be required |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 95

Focus Occupation: Computer Specialists, All Other (15-1099)
Associated Occupation: Computer Support Specialists (15-1041)

| Associated Occupation's Key Abilities Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | | Evaluation of Focus Occupation |
|--|---------------------------------|--------------------------------|---------------------------|---|--|
| Oral Comprehension | 12.5 | 14.3 | 13.6 | 0 | Current ability level may be sufficient |
| Oral Expression | 12.4 | 14.3 | 13.1 | 0 | Current ability level may be sufficient |
| Written Comprehension | 11.0 | 12.9 | 13.3 | 0 | Current ability level may be sufficient |
| Written Expression | 9.8 | 11.6 | 12.7 | 0 | Current ability level may be sufficient |
| Near Vision | 11.1 | 11.5 | 11.8 | 0 | Current ability level may be sufficient |
| Information Ordering | 9.9 | 11.2 | 11.7 | 0 | Current ability level may be sufficient |
| Problem Sensitivity | 11.1 | 10.8 | 12.4 | > | Current ability level is likely sufficient |
| Inductive Reasoning | 10.2 | 10.7 | 11.9 | > | Current ability level is likely sufficient |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

There are no common work activities.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Computer Specialists, All Other (15-1099)
Associated Occupation: Computer Support Specialists (15-1041)

| Tools and Technologies | Exclusivity |
|--|-------------|
| Business function specific software | 1 |
| Computers | 1 |
| Content authoring and editing software | 1 |
| Data management and query software | 1 |
| Development software | 4 |
| Electronic and communication measuring and testing instruments | 14 |
| Industry specific software | 1 |
| Information exchange software | 1 |
| Media storage devices | 21 |
| Network applications software | 1 |
| Network management software | 37 |
| Networking software | 21 |
| Operating environment software | 12 |
| Personal communication devices | 2 |
| Security and protection software | 30 |
| Utility and device driver software | 17 |

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.